

## ASSIGNMENT 2 FRONT SHEET

<b>Qualification</b>	<b>BTEC Level 5 HND Diploma in Computing</b>		
<b>Unit number and title</b>	Unit 30: Application Development		
<b>Submission date</b>		<b>Date Received 1st submission</b>	
<b>Re-submission Date</b>		<b>Date Received 2nd submission</b>	
<b>Student Name</b>	Huynh Mai An Nguyen	<b>Student ID</b>	GCD18316
<b>Class</b>	GCD0603	<b>Assessor name</b>	Hoang Nhu Vinh
<b>Student declaration</b> <p>I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.</p>			
		<b>Student's signature</b>	

### Grading grid

P4	P5	P6	M3	M4	M5	D2	D3

☐ **Summative Feedback:**☐ **Resubmission Feedback:****Grade:****Assessor Signature:****Date:****Lecturer Signature:**

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## **Introduction**

Based on Assignment 1, we have completed the design for the web application. The next step will be to focus on completing the application. We need to create a questionnaire to review the effectiveness of business applications, problem definitions, proposed solutions and development strategies of the collective. Issues related to the group, application improvement need to be carefully reviewed and evaluated.

**P4 Create a formal questionnaire that effectively reviews your business application, problem definition statement, proposed solution and development strategy. Use this questionnaire as part of a peer review and document any feedback given.**

No.	Module/Screen	Description	Creator	Create Date	Answer	Answer Date	Status
1	Login	In SRS Data Flow Diagram, I do not see a description of the difference in logging of roles.  I suggest adding a role roster when registering to let the system know which Admin or Trainer is	Huynh Mai An Nguyen	20/12/2019	Yes. It is a good way to recognize user roles. You can implement it on the system	21/12/2019	Closed
2	Login	In SRS, the Login action displays a message when an email error, password is incorrect, or is blank. I suggest the option: Display the "Invalid email or password" message above the Login button.	Huynh Mai An Nguyen	20/12/2019	Your idea looks good, I will apply it to the system	21/12/2019	Closed

3	Administrators functions	In your SRS, I see that an administrator is not responsible for managing Trainee in my system, including looking for someone. Is that true?	Huynh Mai An Nguyen	20/12/2019	Yes, the Administrator is only responsible for creating, editing, deleting or viewing the details of the Trainer and Staff	21/12/2019	Closed
4	Assign a Trainer to a topic	In SRS, I think training staff are having to remember all the Topics in the system. I think it will be difficult to recruit a new Trainer. I suggest having a dropdown list when choosing Topic for a Trainer who can teach their specialty	Huynh Mai An Nguyen	20/12/2019	Your ideas are very useful, which helps Staff save a lot of time instead of manually inputting Topic.	21/12/2019	Closed
6	Updating Trainer information	In SRS, I don't see any description of how Trainee can correct their information? Instead I can understand that their information can only be edited through Staff. Is that true?	Huynh Mai An Nguyen	20/12/2019	Yes, that ensures that there is no discrepancy when Trainee arbitrarily changes their information without permission from the school.	21/12/2019	Closed
7	Login function	In SRS, I just see that I can log in with my assigned email address. Do you think that accounts can log in in other ways, like phone numbers or Facebook accounts?	Huynh Mai An Nguyen	19/12/2018	I think that is not necessary. Members of the system should log in with the email has been divided to be easier to manage	21/12/2019	Closed

8	Security	In SRS, I didn't see the account security issue. Does it mean that when the Administrator entered the password manually, it would be hidden instead of lying open to make it more vulnerable to leaks	Huynh Mai An Nguyen	19/12/2018	Sure, we changed the password box's properties so that it showed dots instead of explicit passwords.	21/12/2019	Closed
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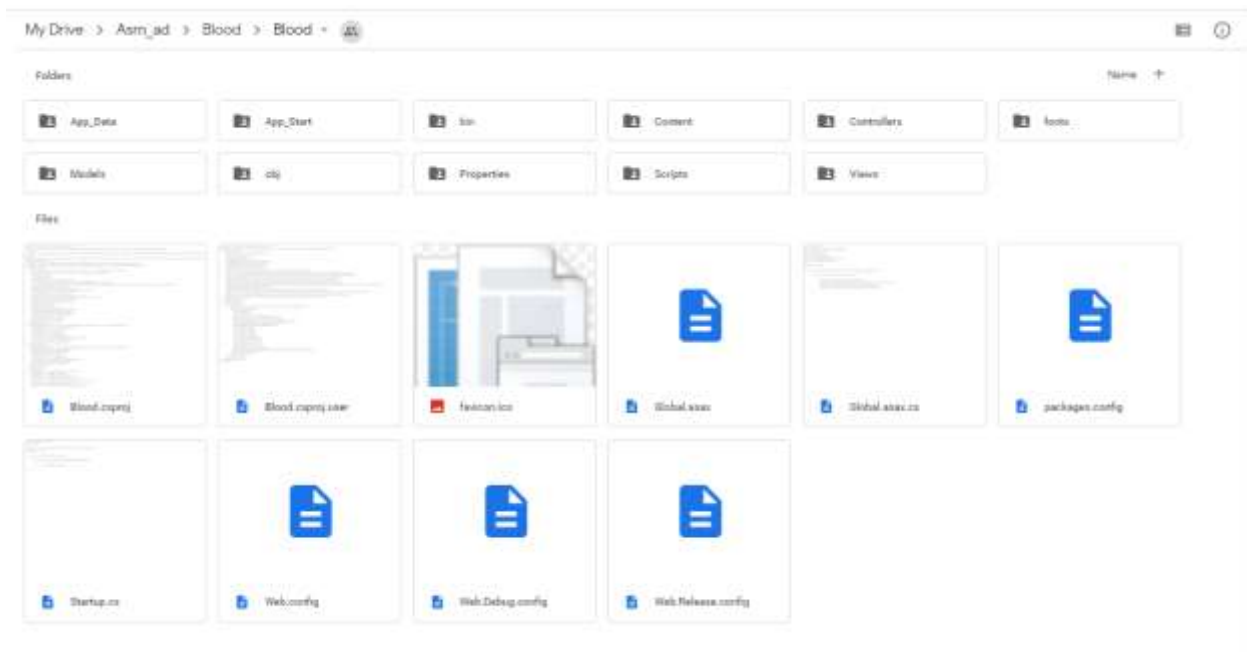
*Questionnaire for Management Student System*

## **P5 Develop a functional business application based on a specified business problem.**

### **Source Code**

My Team have uploaded the source code on Google Drive. You can click the link:

<https://drive.google.com/open?id=1yfRfYMXchlKcQDU7mzoQOO01PaV8JNY>

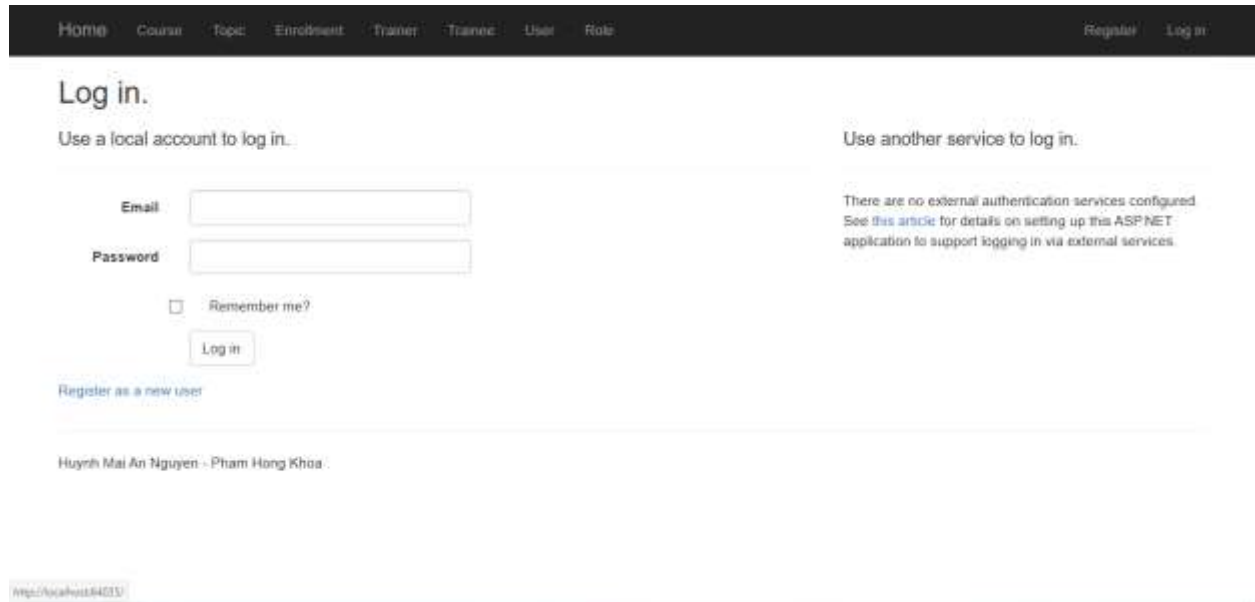


*Figure 1: Source code on GoogleDrive*



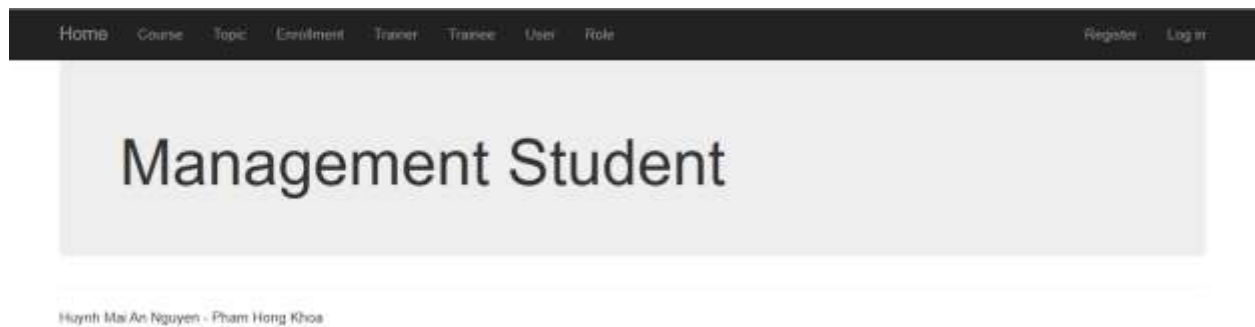
## Website image

The previous section will show you some pictures of our group site that we have built and compare the differences in functions of Trainer Trainee and Admintrator



The screenshot shows the login page of a web application. At the top, there is a dark navigation bar with links: Home, Course, Topic, Enrollment, Trainer, Trainee, User, Role, Register, and Log in. Below the navigation bar, the page has a light gray background. On the left, there is a 'Log in.' section with the text 'Use a local account to log in.' Below this, there are input fields for 'Email' and 'Password', a checkbox for 'Remember me?', and a 'Log in' button. Below the login fields, there is a link 'Register as a new user'. On the right, there is a section titled 'Use another service to log in.' with the text 'There are no external authentication services configured. See this article for details on setting up this ASP.NET application to support logging in via external services.' At the bottom of the page, there is a footer with the text 'Huyth Mai An Nguyen - Pham Hong Khoa' and a URL 'http://localhost:64033/'.

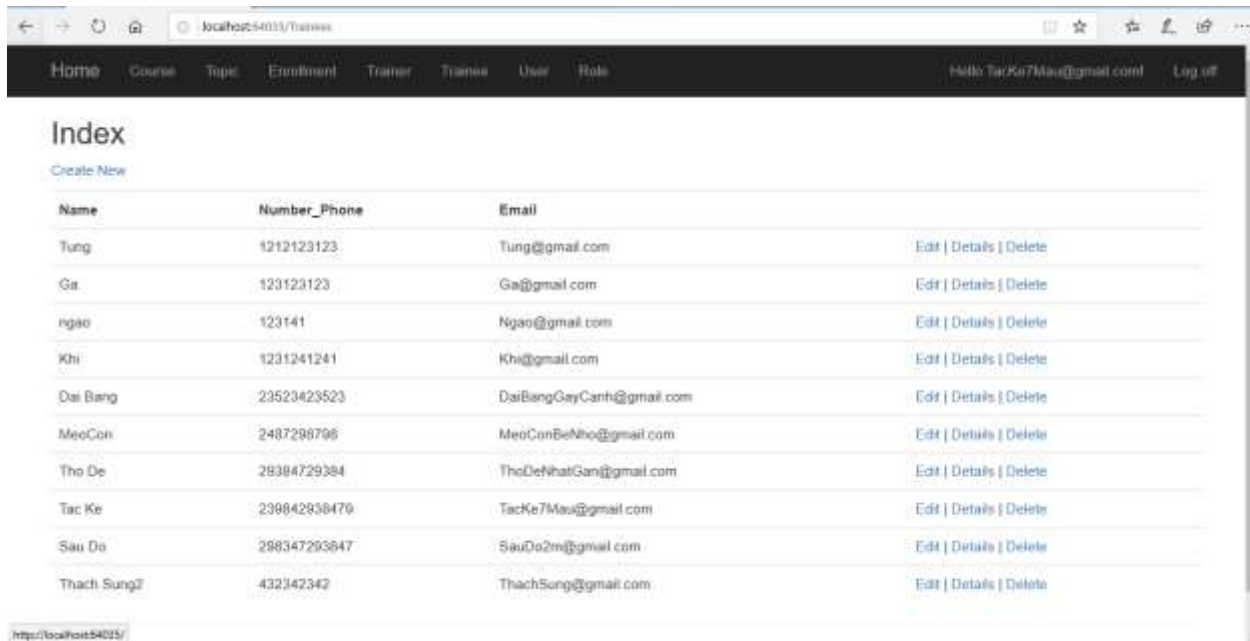
Figure 2: Login Page



The screenshot shows the home page of a web application. At the top, there is a dark navigation bar with links: Home, Course, Topic, Enrollment, Trainer, Trainee, User, Role, Register, and Log in. Below the navigation bar, the page has a light gray background. In the center, there is a large gray box with the text 'Management Student'. Below this box, there is a footer with the text 'Huyth Mai An Nguyen - Pham Hong Khoa'.

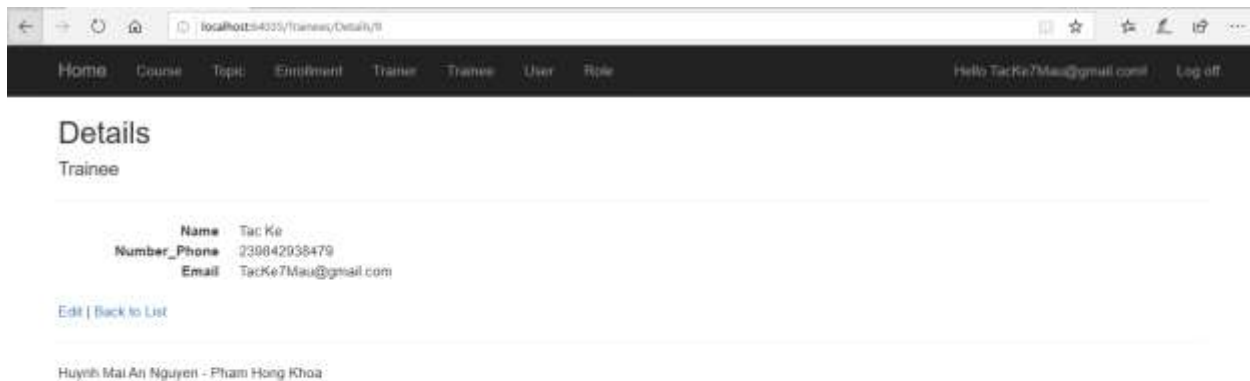
Figure 3: Home Page

*After logging in with a trainee account, they can exercise some of their rights such as.*



Name	Number_Phone	Email	
Tung	1212123123	Tung@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Ga	123123123	Ga@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
ngao	123141	Ngao@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Khi	1231241241	Khi@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Dai Bang	23523423523	DaiBangGayCanh@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
MeoCon	2487298798	MeoConBeNho@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Tho De	29384729384	ThoDeNhatGan@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Tac Ke	239842938479	TackKe7Mau@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Sau Do	298347293847	SauDo2m@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Thach Sung	432342342	ThachSung@gmail.com	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

*Figure 6: Trainee can view list Trainee*



Details	
Trainee	
<b>Name</b>	Tac Ke
<b>Number_Phone</b>	239842938479
<b>Email</b>	TackKe7Mau@gmail.com
<a href="#">Edit</a>   <a href="#">Back to List</a>	
Huyinh Mai An Nguyen - Pham Hong Khoa	

*Figure 7: Trainee can view detail information Trainee*

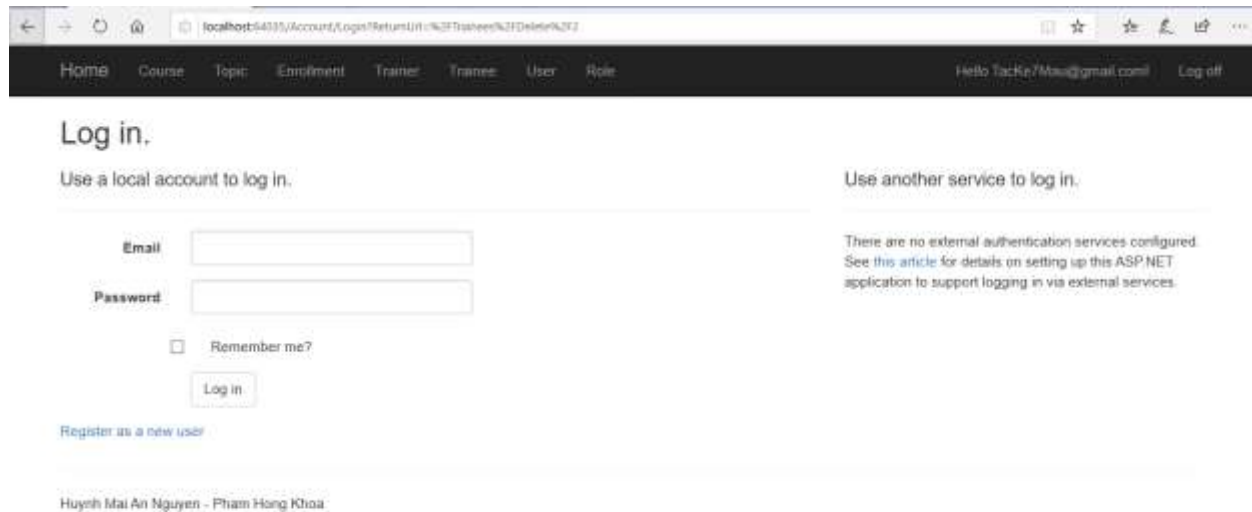
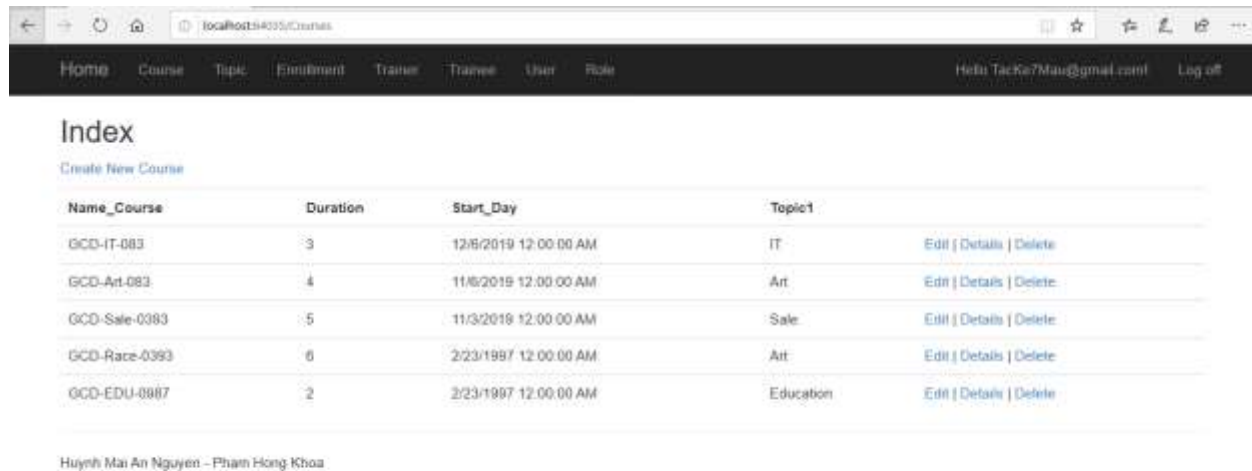


Figure 8: But they can not delete, create or edit information of Trainee



Name_Course	Duration	Start_Day	Topic1	
GCD-IT-083	3	12/8/2019 12:00:00 AM	IT	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
GCD-Art-083	4	11/8/2019 12:00:00 AM	Art	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
GCD-Sale-0383	5	11/3/2019 12:00:00 AM	Sale	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
GCD-Race-0393	6	2/23/1997 12:00:00 AM	Art	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
GCD-EDU-0887	2	2/23/1997 12:00:00 AM	Education	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

Figure 9: Trainer can view their schedule in Course page

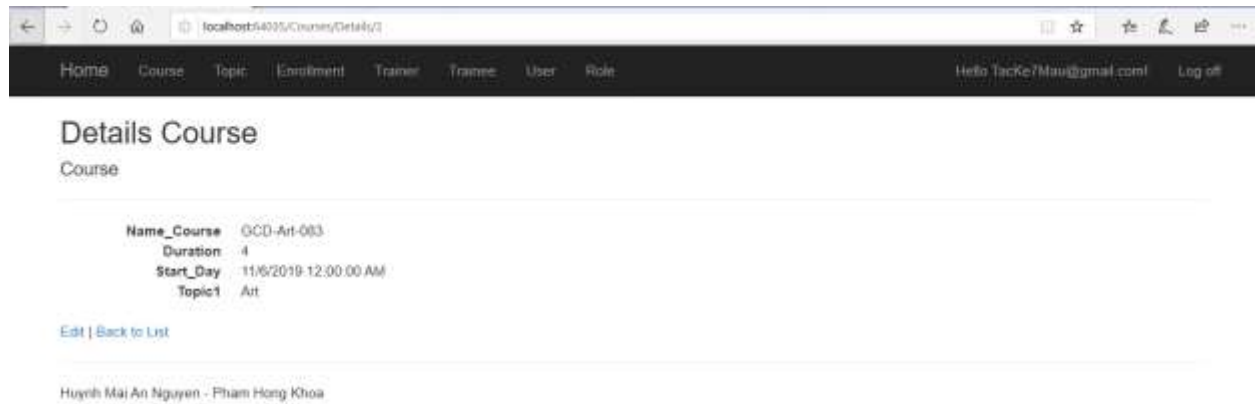


Figure 10: Trainee can view detail of Course

As above, Trainee cannot create, delete, edit Course. When executing the above commands, the website will also switch to the login page

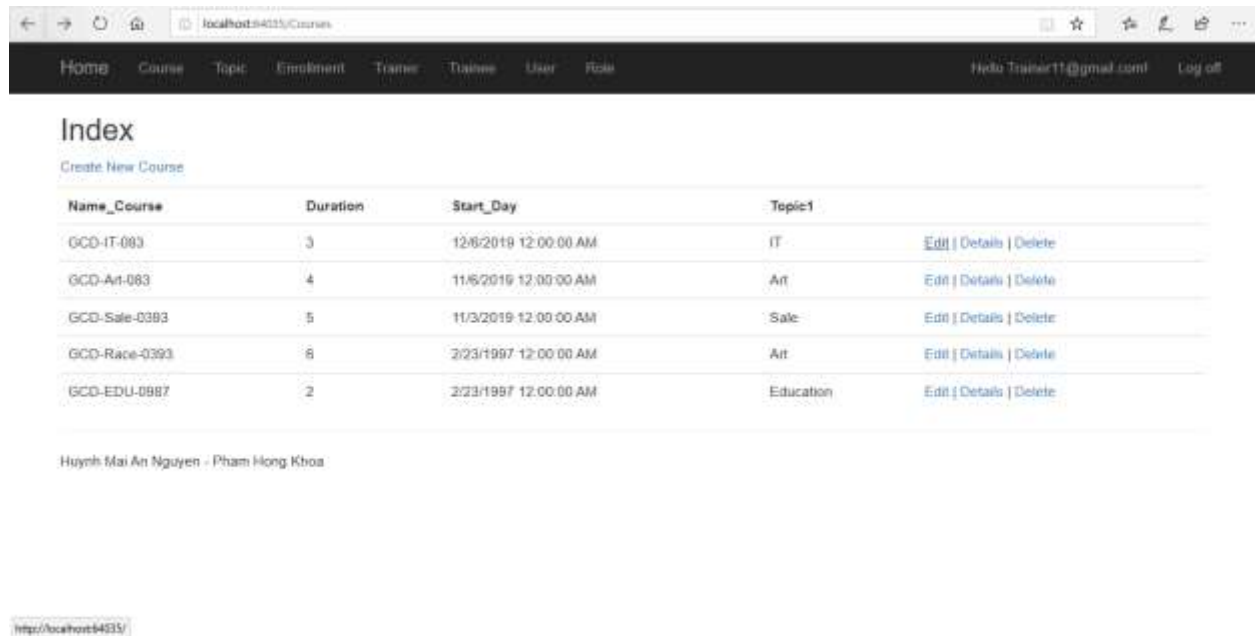
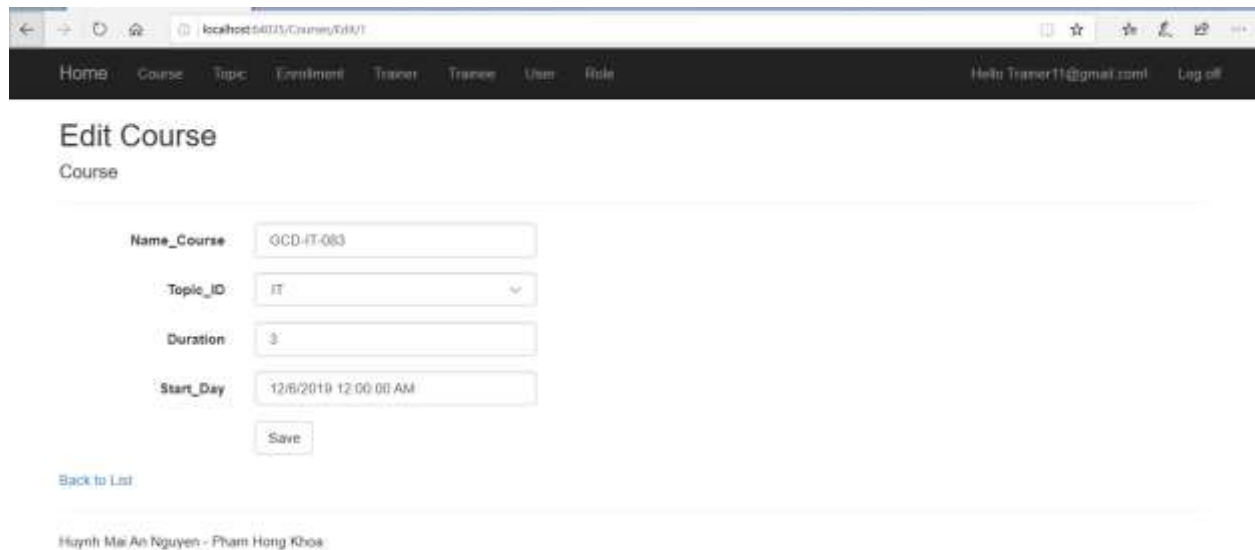


Figure 11: Trainers can view the Course list

*Trainers, like Trainee, can view the Course list, but they can also Edit, Delete Courses*

*After logging in with a Trainer account, they can exercise some of their rights such as.*



Home Course Topic Enrollment Trainer Trainee User Role Hello Trainer1@gmail.com Log off

## Edit Course

Course

Name\_Course:

Topic\_ID:

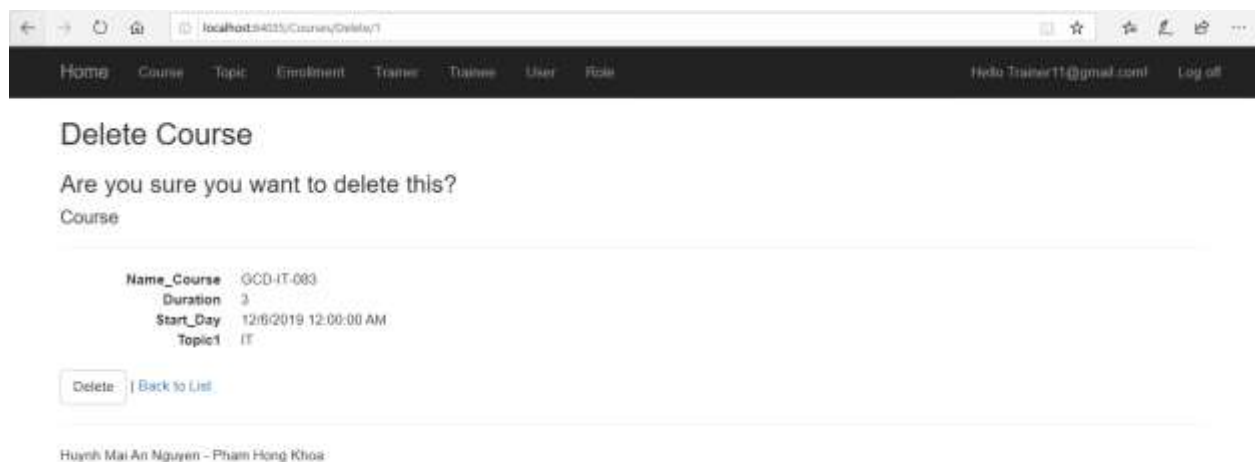
Duration:

Start\_Day:

[Back to List](#)

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*Figure 12: Trainer can edit Courses*



Home Course Topic Enrollment Trainer Trainee User Role Hello Trainer1@gmail.com Log off

## Delete Course

Are you sure you want to delete this?

Course

Name\_Course: GCD-IT-003

Duration: 3

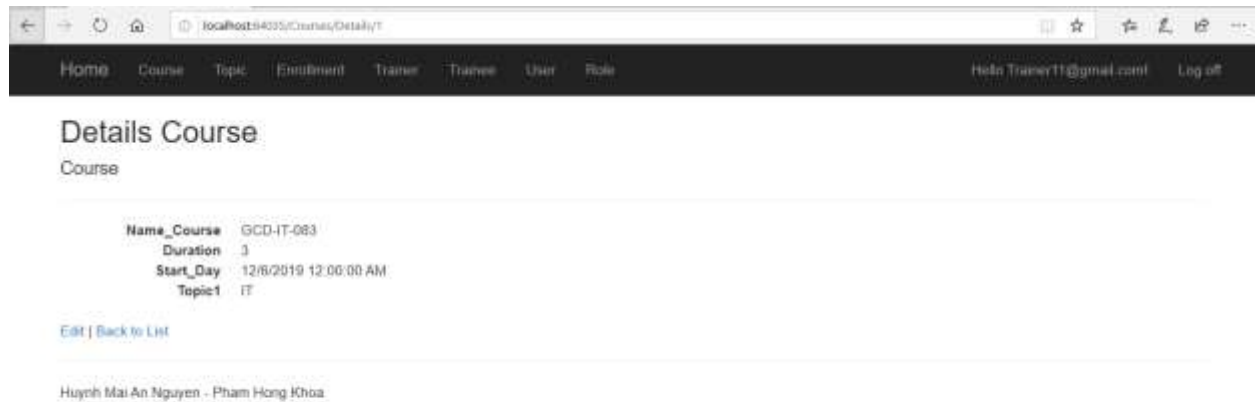
Start\_Day: 12/6/2019 12:00:00 AM

Topic1: IT

[Back to List](#)

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*Figure 13: Trainer can delete Courses*



[Home](#) [Course](#) [Topic](#) [Enrollment](#) [Trainer](#) [Trainee](#) [User](#) [Role](#) Hello Trainer11@gmail.com! [Log out](#)

## Details Course

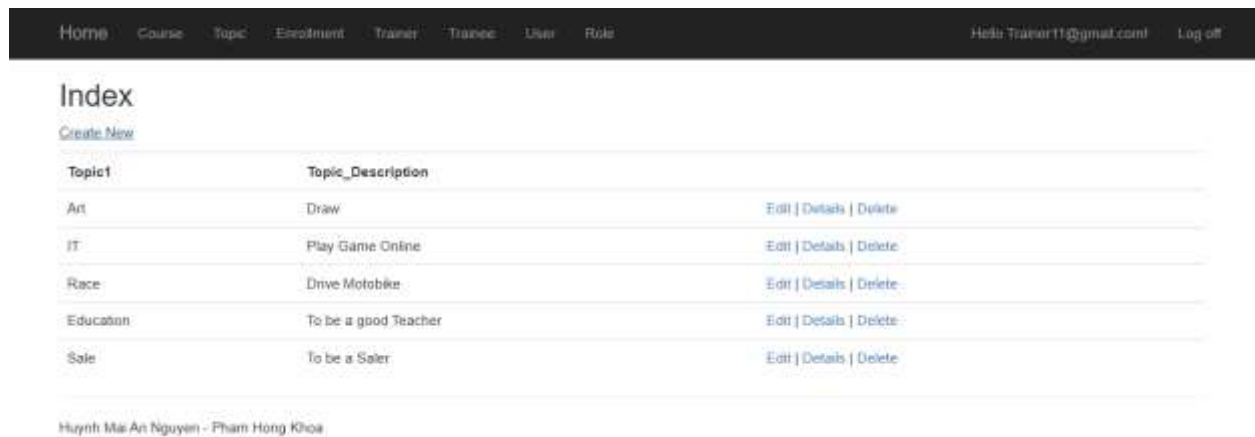
Course

<b>Name_Course</b>	GCD-IT-083
<b>Duration</b>	3
<b>Start_Day</b>	12/6/2019 12:00:00 AM
<b>Topic1</b>	IT

[Edit](#) | [Back to List](#)

Huynh Mai An Nguyen - Pham Hong Khoa

*Figure 14: Trainer can view detail of Courses*



[Home](#) [Course](#) [Topic](#) [Enrollment](#) [Trainer](#) [Trainee](#) [User](#) [Role](#) Hello Trainer11@gmail.com! [Log out](#)

## Index

[Create New](#)

Topic1	Topic_Description	
Art	Draw	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
IT	Play Game Online	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Race	Drive Motobike	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Education	To be a good Teacher	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
Sale	To be a Sales	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

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*Figure 15: Trainer can view the Topics list*

[Home](#)
[Course](#)
[Topic](#)
[Enrollment](#)
[Trainer](#)
[Trainee](#)
[User](#)
[Role](#)

Hello Trainer11@gmail.com!
 [Log off](#)

## Log in.

Use a local account to log in.
 

Email

Password

☐ Remember me?

[Register as a new user](#)

Use another service to log in.
 

There are no external authentication services configured.  
 See [this article](#) for details on setting up this ASP.NET application to support logging in via external services.

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Huynh Mai An Nguyen – Pham Hong Khoa



Press F11 to exit full screen.
 ✕




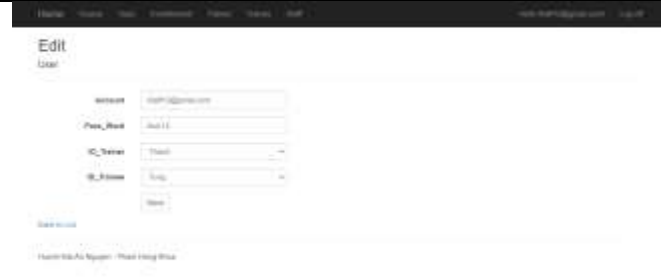

*Figure 16: Trainer, Staff, Trainee can not view or create the Role*











3	UC-AD-01 List Staffs in a division	Allow actor to list Staffs in the system			100%	We have successfully created and tested the "List Staffs" function.
4	UC-AD-02 Search Staff's Information	Allow actor to search Staff's information in the system			0%	We have not completed this feature yet
5	UC-AD-02 Search Trainer's Information	Allow actor to search Trainer's information in the system			0%	We have not completed this feature yet

6	UC-AD-02 View details Staff's Information	Allow actor to View details Staff's information in the system			100%	We have successfully created and tested the "View details" function.
7	UC-AD-02 View details Trainer's Information	Allow actor to View details Trainer's information in the system			100%	We have successfully created and tested the "View details" function.
8	UC-AD-03 Create new Staffs	Allow actors to create new Staffs			100%	We have successfully created and tested the "Create new Staffs" function.

9	UC-AD-03 Create new Trainers	Allow actors to create new Trainers			100%	We have successfully created and tested the "Create new Trainer" function.
10	UC-AD-04 Edit Staffs	Allow actors to edit Staff's information (including password)			50%	We have successfully created and tested the "Edit Staff" function.
11	UC-AD-04 Edit Trainers	Allow actors to edit Trainer's information (including password)			50%	We have successfully created and tested the "Edit Trainer" function.
12	UC-AD-05 Delete Staffs	Allow actor to delete a Staffs in the system			100%	We have successfully created and tested the "Delete Staff" function.

13	UC-AD-05 Delete Trainers	Allow actor to delete a Trainers in the system			100%	We have successfully created and tested the "Delete Trainer" function.
14	UC-TN-02 View Personal Schedule	Allow actor to View Trainer's Schedule in the system			100%	We have successfully created and tested the "View Trainer's Schedule" function.
15	UC-TN-02 View Personal Schedule	Allow actor to View Trainee's Schedule in the system			100%	We have successfully created and tested the "Trainee's Schedule" function.
16	UC-TN-03 Search Course	Allow actor to search Course			0%	We failed to perform a search for a Trainer or Trainee or Course by keyword

From the result comparison table above, we find that most of the requirements have been met with features developed with photos as evidence corresponding to each feature. In short, we have achieved 13/16 features 100% of the Training Staff's role required by the function. We have not completed the search for Staffs, Coaches, and Courses. We also need to improve the confidentiality of Trainer and Staff information because currently Trainer and Staff can still edit each other's information, which is extremely important.

We will try our best to complete 100% and develop our Apps in the future After careful testing and calculation, we have reached nearly 80% of all required requirements.